

Serial No. 10/016,057

As to the rejections over the art either for anticipation or for obviousness, the claims define first and second thermal coupled junctions, one of which contains a substance reactive with the oxidative gas and a step of or means for measuring a net voltage between the first and second thermal coupled junctions. The cited references provide separate sensors for temperature and for the chemical reaction which differs from the system employed by the claimed invention. The claimed invention is more efficient. Accordingly, since the cited references neither teach nor suggest the system as claimed by Applicants, Applicants submit that the invention as defined by the claims patentably defines over the cited art.

The Examiner has provisionally rejected claims 1 to 29 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1 to 16 of co-pending Application No. 10/230,527 and claims 1 to 29 of co-pending Application No. 10/016,058. An appropriate terminal disclaimer is enclosed herewith.

Applicants submit that the application is presently in condition for allowance and request favorable reconsideration and re-examination of the application as well as early notice of allowance of the application. The Examiner is encouraged to contact the undersigned attorney by telephone if it would speed prosecution.

Respectfully submitted,

By: /Andrew C. Farmer/  
Andrew C. Farmer  
Reg. No. 35,868

Johnson & Johnson  
One Johnson & Johnson Plaza  
New Brunswick, NJ 08933  
(732) 524-2825  
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